

CPL⁺™ Series

CPL™ 5C⁺ - 2-way Coaxial Passive Speaker

CREST
AUDIO®

PRELIMINARY



Description

The Crest Audio® CPL™ 5C⁺ is an ultra-compact passive two-way coaxial loudspeaker designed for music playback, public address and live performance reinforcement applications where space is at a premium.

The CPL 5C⁺ can be utilised for both permanent installations and portable live sound applications. Perfect for public address, monitoring and background audio reinforcement purposes typically required in houses of worship, clubs, bars/restaurants, retail outlets plus education and corporate meeting facilities or anywhere high quality discrete audio distribution is required.

The CPL 5C⁺ is equipped with a premium 5 inch woofer having a 1.5 inch voice coil together with a coaxially mounted 1.4 inch Neodymium compression driver known for its smooth frequency response and non-fatiguing mid range. Conical directivity pattern of the loudspeaker is measured at 80° providing a wide yet well distributed audio coverage with exceptional time alignment between resonating components. An internal advanced crossover network maintains time alignment, EQ and driver protection. Impedance of the loudspeaker is 16Ω allowing for easy daisy chaining. Connectivity is made via either two looping 4-pin Twist-Lock or one 4-pin Euroblock connectors.

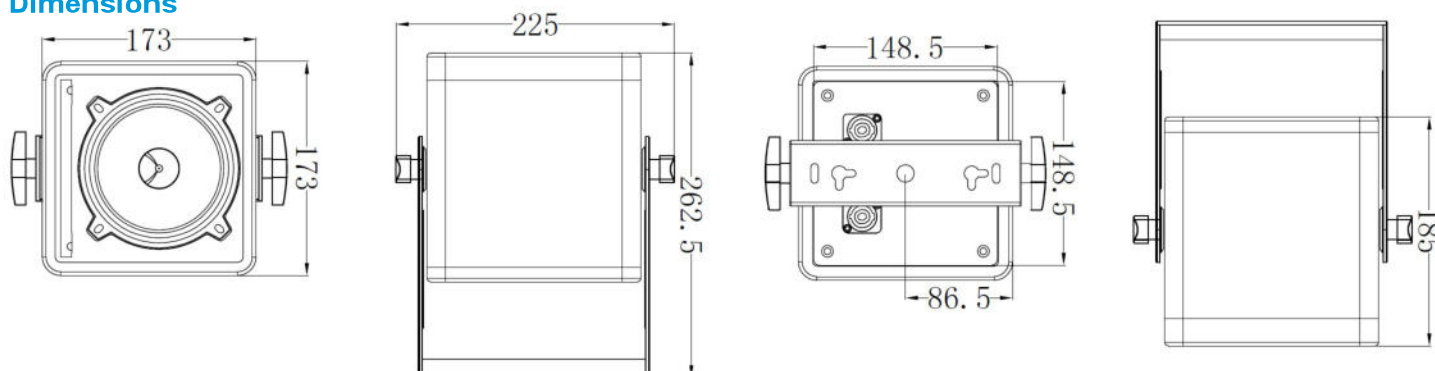
The CPL 5C⁺ enclosure is built from prime-grade 15 mm plywood that offers sturdy mechanical and low resonant electro-acoustic characteristics together with a heavy-duty steel grille backed with acoustic foam to ensure maximum protection of the internal components.

Features

- Ultra-compact passive two-way coaxial loudspeaker
- Premium 5" woofer, 1.5" voice coil
- 1" Neodymium compression driver, 1.4" voice coil
- Continuous power handling: 120 Watts
- Nominal impedance: 16 Ohms
- Coverage pattern (HxV): 80° x 80° conical
- Connectors: 2 x 4-pin Twist-Lock & 4-pin Euroblock
- 2+1/2- Loop Through
- Advanced crossover network
- Tweeter protection
- U-Bracket included
- 15 mm Plywood construction
- Textured polyurea paint
- Available in Black and White

Configuration:	2-way Coaxial Passive Speaker	Pole Mount:	M8
Power Continuous (Watts):	120	U-Bracket:	Included
Power Peak (Watts):	480	Enclosure Design:	Cube
Sensitivity (1W/1m):	TBA dB	Enclosure Material:	Plywood (15 mm)
Max SPL Peak:	TBA dB	Black Finish:	Textured Polyurea Paint
LF Driver:	1 x Crest Audio KP5W38 - 5" (130 mm)	RAL #:	TBA
Woofer Voice Coil:	1.5" (38 mm)	White Finish:	Textured Polyurea Paint
HF Driver:	1 x Crest Audio 5C36NP1 - 1" (25.4 mm) Neodymium	RAL #:	TBA
HF Driver Voice Coil:	1.4" (36 mm)	Tweeter Protection:	Yes
Nominal Coverage (HxV):	80° x 80° Conical	Rubber Feet:	No
Frequency Range (-10 dB):	TBA Hz - TBA kHz	Handles:	No
Frequency Response (±3 dB):	TBA Hz - TBA kHz	Loop Thru (2+/2-):	Yes
Nominal Impedance:	16 Ohms	Logo Position on Grille:	Bottom Center
Input Connectors 1:	2 x 4-pin Twist-Lock (NL4 Style)	Logo Size:	25 x 25 mm
Input Connectors 2:	1 x 4-pin Euroblock	Grille Foam Backing:	Yes (acoustically transparent)
Suspension Points Top:	1 x M8	Grille Mesh Size (mm):	3 x 12
Suspension Points Bottom:	1 x M8	Monitor Tilt Angle:	No
Suspension Points Rear:	1 x M6	Net Weight:	TBA lbs (TBA kg)
Mounting Points for U-Bracket:	Yes (2 x M8 - Top & Bottom)	Dimensions (HWD):	6.81 x 6.81 x 7.28 in (173 x 173 x 185 mm)

Dimensions



Architect's & Engineer's Specifications

The ultra-compact coaxial loudspeaker shall consist of a 5 inch (130 mm) low frequency transducer with 1.5 inch (38 mm) voice coil and a 1.4 inch (36 mm) Neodymium compression driver with a frequency dividing network installed within the enclosure.

Performance specifications of a typical production unit shall be: Measured sensitivity SPL at 1 m (3.3ft) with 2.83V input, shall be TBA dB-SPL. Usable frequency response shall extend from 95 Hz to 19 kHz (10 dB below rated sensitivity, in half-space, with no external equalization). Nominal impedance shall be 16 ohms. Rated power capacity shall be at least 120 Watts continuous power and 480 Watts peak power, defined as 3 dB above a test signal of filtered random noise.

The system shall be protected against damage from occasional over-powering limiting the power to the network and transducers. The coaxial neodymium compression driver shall be capable of even coverage at a nominal 80° horizontal through 80° conical distributed pattern.

The enclosure shall be constructed from prime-grade 15 mm plywood. The grille shall be of heavy-duty steel backed with acoustically transparent foam. The external wiring shall be via either two 4-pin Twist-Lock or one 4-pin Euroblock connectors. The loudspeaker shall be no more than 6.81 inches (173 mm) high by 6.81 inches (173 mm) wide by 7.28 inches (191 mm) deep weighing no more than 7.5 pounds (3.4 kg). The finish shall be a paintable lightly textured black or white.

The ultra-compact coaxial loudspeaker shall be the Crest Audio CPL™ 5C⁺ with included U bracket.